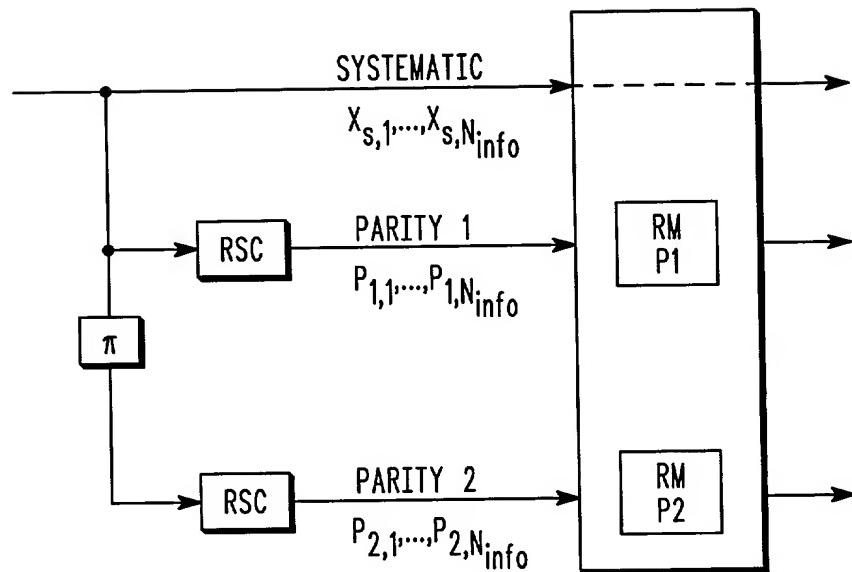


1 / 6



— PRIOR ART —

FIG.1

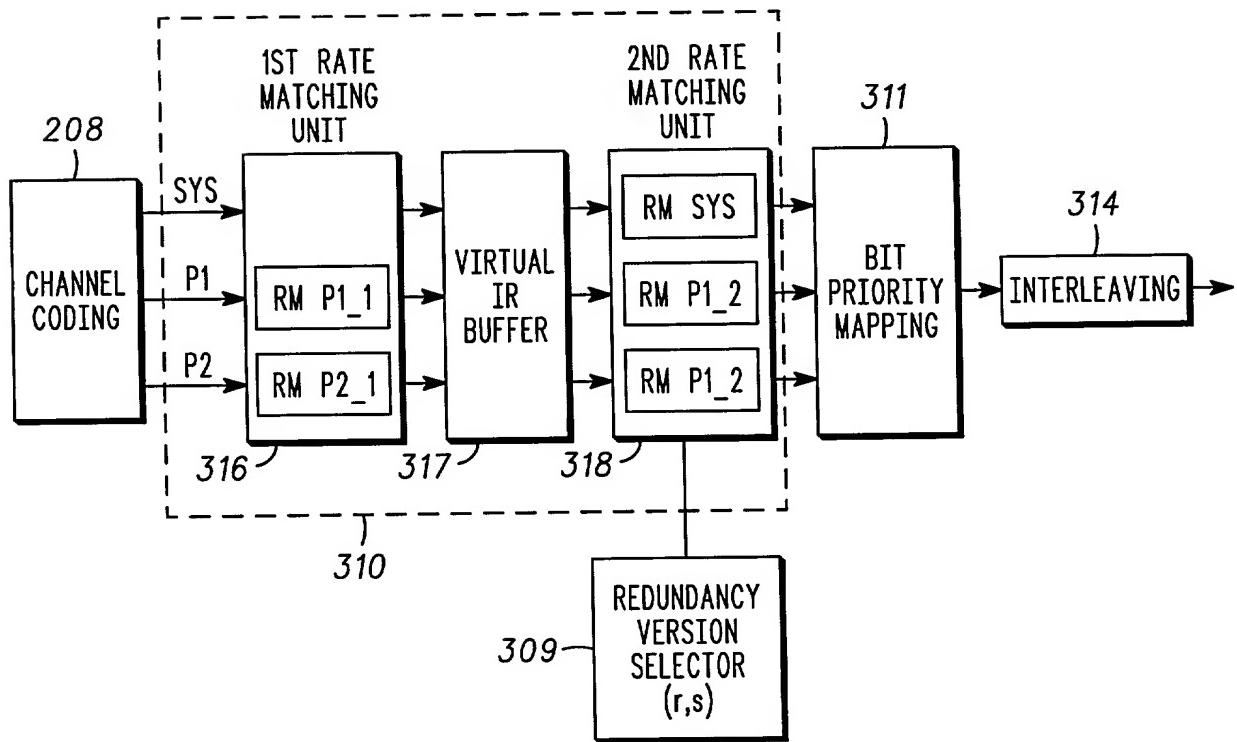
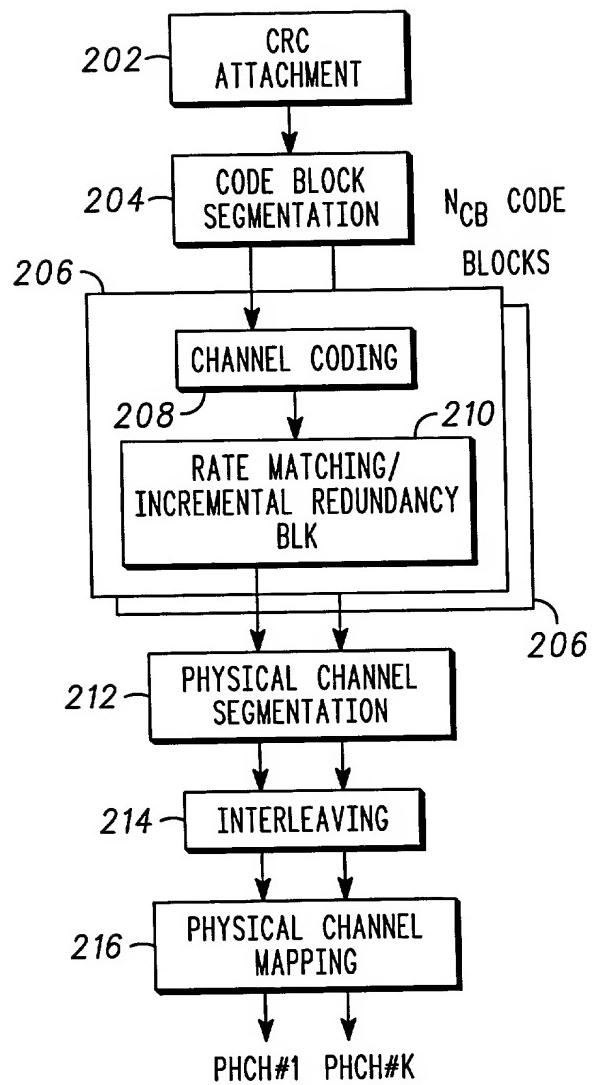


FIG.4



— PRIOR ART —

FIG.2

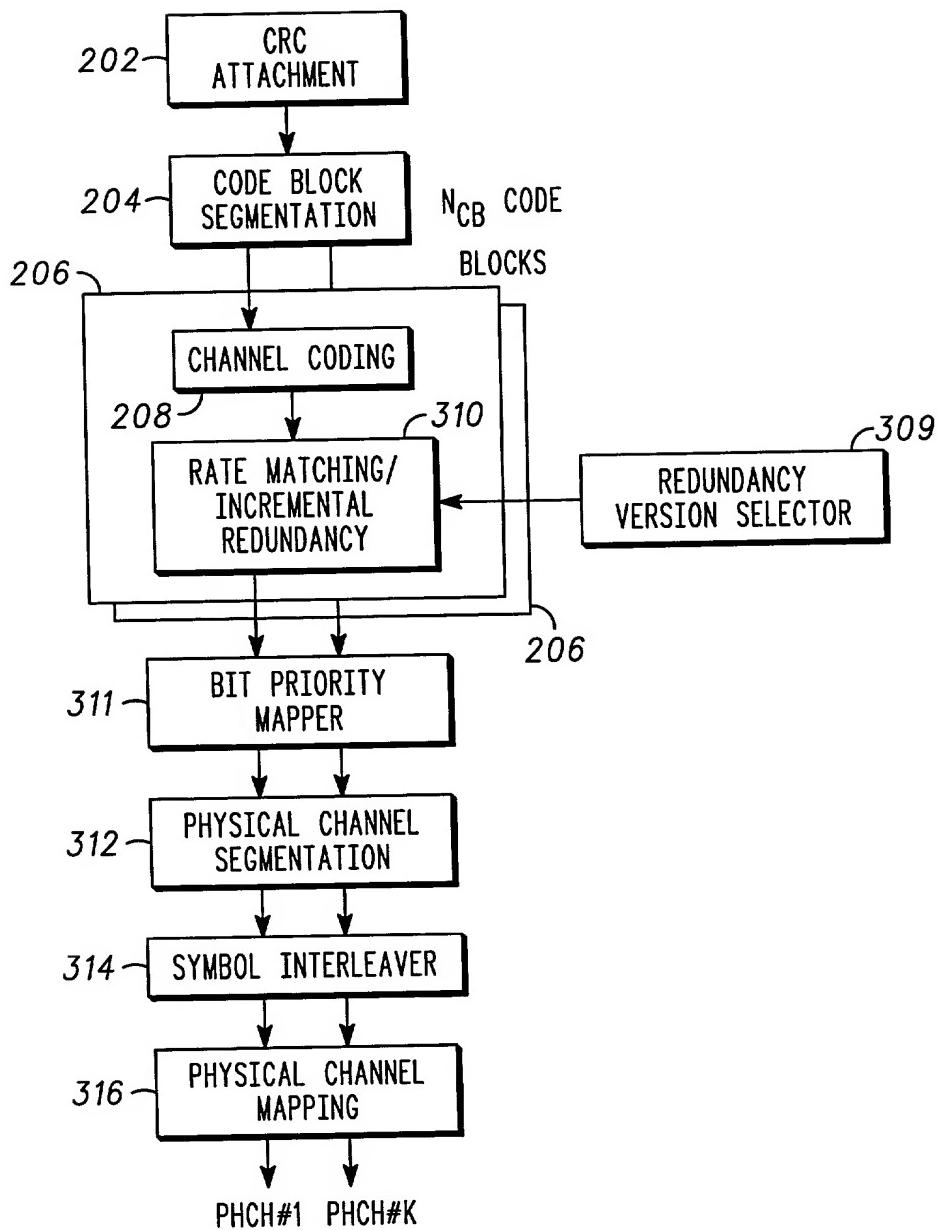


FIG.3

4 / 6

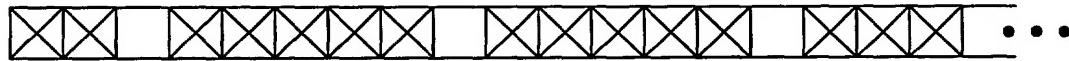
PARITY 1 TRELLIS FOR 1ST TRANSMISSION

s=1,r=0



PARITY 1 TRELLIS FOR 2ND TRANSMISSION

s=1,r=1



PARITY 1 TRELLIS AFTER IR COMBINING

+



PUNCTURED TRELLIS SECTION



UNPUNCTURED TRELLIS SECTION

— PRIOR ART —

FIG. 5

PARITY 1 TRELLIS FOR 1ST TRANSMISSION

s=1,r=0



PARITY 1 TRELLIS FOR 2ND TRANSMISSION

+

s=1,r=1



PARITY 1 TRELLIS AFTER IR COMBINING

+



PUNCTURED TRELLIS SECTION



UNPUNCTURED TRELLIS SECTION

FIG. 6

5 / 6

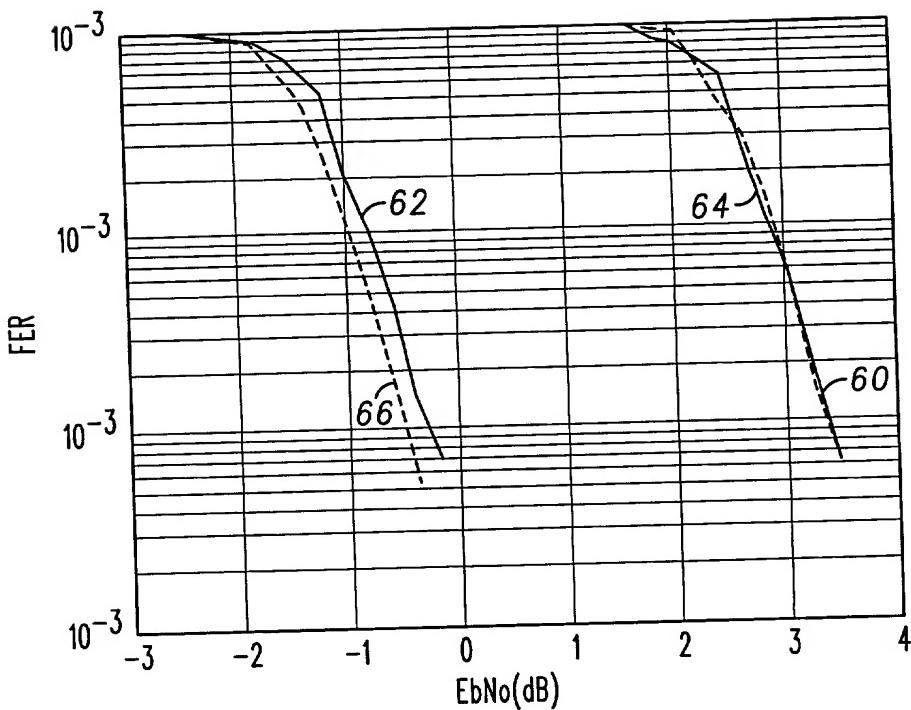


FIG. 7

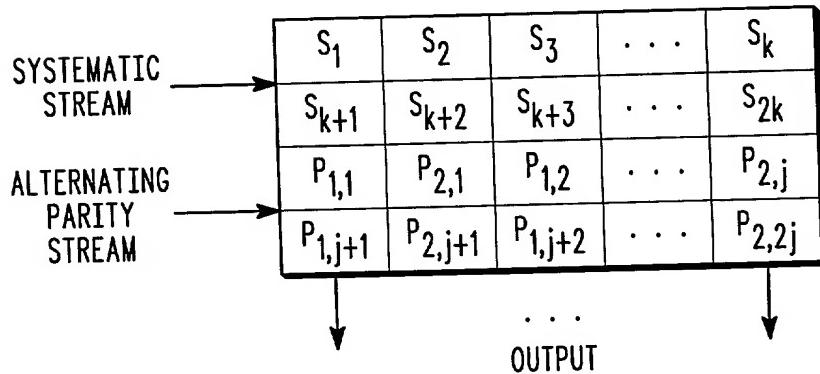
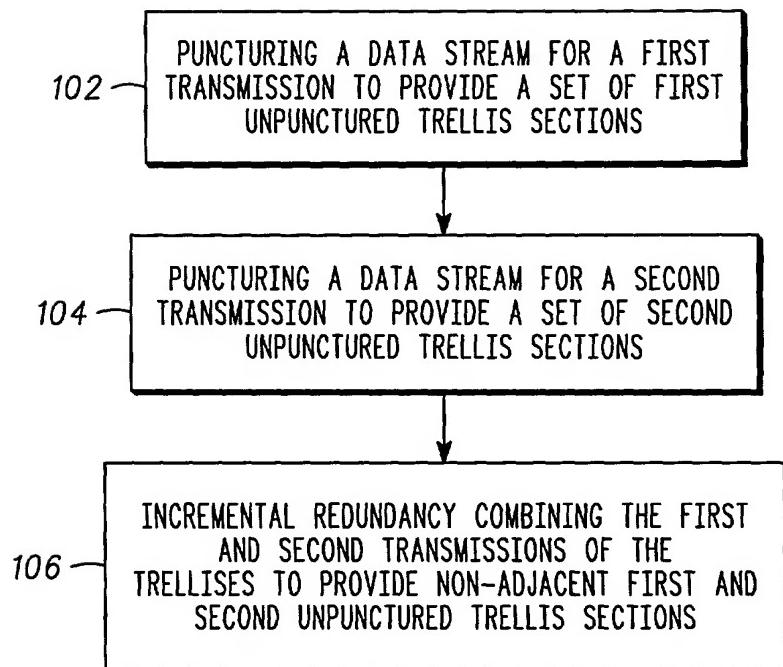


FIG. 8

$$\begin{bmatrix} y_{p,1} & y_{p,2} & y_{p,3} & y_{p,30} \\ y_{p,(30+1)} & y_{p,(30+2)} & y_{p,(30+3)} & y_{p,(2 \times 30)} \\ \vdots & \vdots & \vdots & \vdots \\ y_{p,(16-1) \times 30 + 1} & y_{p,(16-1) \times 30 + 2} & y_{p,(16-1) \times 30 + 3} & y_{p,(16 \times 30)} \end{bmatrix}$$

FIG. 9

6 / 6



100

FIG.10